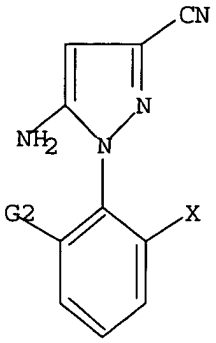
L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



G1 H,X,Ak
G2 H,X

Structure attributes must be viewed using STN Express query preparation.

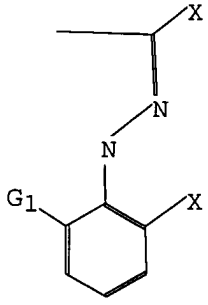
=> s l1 full
FULL SEARCH INITIATED 19:27:11 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3020 TO ITERATE

100.0% PROCESSED 3020 ITERATIONS 1020 ANSWERS
SEARCH TIME: 00.00.01

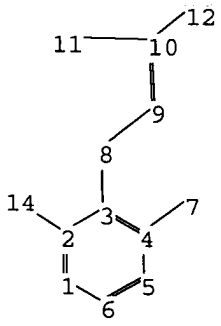
L2 1020 SEA SSS FUL L1

=> s l2
L3 724 L2

=>
Uploading C:\Program Files\Stnexp\Queries\10621344b.str



:



chain nodes :
7 8 9 10 11 12 14
ring nodes :
1 2 3 4 5 6
chain bonds :
2-14 3-8 4-7 8-9 9-10 10-11 10-12
ring bonds :

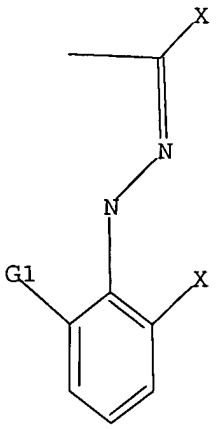
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
2-14 3-8 8-9 9-10
exact bonds :
4-7 10-11 10-12
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

G1:H,X

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 14:CLASS

L4 STRUCTURE UPLOADED

=> d
L4 HAS NO ANSWERS
L4 STR



G1 H,X

Structure attributes must be viewed using STN Express query preparation.

=> s l4 full
REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 19:27:39 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1226 TO ITERATE

100.0% PROCESSED 1226 ITERATIONS 211 ANSWERS
SEARCH TIME: 00.00.01

L5 211 SEA SSS FUL L4

L6 113 L5

=> s l3 and l6
L7 5 L3 AND L6

=> d l7 1-5 ibib abs hitstr

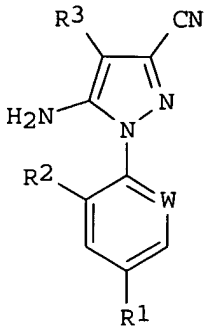
L7 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2000:553565 CAPLUS
DOCUMENT NUMBER: 133:164052
TITLE: New process for preparing 5-amino-1-aryl-3-cyanopyrazoles as pesticidal intermediates
INVENTOR(S): Ancel, Jean-Erick
PATENT ASSIGNEE(S): Aventis CropScience SA, Fr.
SOURCE: PCT Int. Appl., 16 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000046210	A2	20000810	WO 2000-EP1101	20000201
WO 2000046210	A3	20001214		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2789387	A1	20000811	FR 1999-1469	19990204
FR 2789387	B1	20010914		
CA 2362217	AA	20000810	CA 2000-2362217	20000201
EP 1149082	A2	20011031	EP 2000-914081	20000201
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 2000007982	A	20011218	BR 2000-7982	20000201
JP 2002536367	T2	20021029	JP 2000-597280	20000201
AU 767603	B2	20031120	AU 2000-35524	20000201
RU 2236403	C2	20040920	RU 2001-124400	20000201
BG 105766	A	20020329	BG 2001-105766	20010801
ZA 2001006369	A	20021126	ZA 2001-6369	20010802
HR 2001000642	A1	20020831	HR 2001-642	20010831
US 6620944	B1	20030916	US 2001-890653	20011102
US 2004030140	A1	20040212	US 2003-621344	20030718

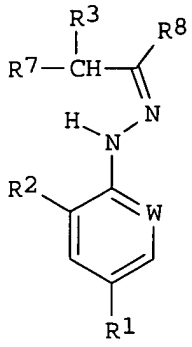
same

PRIORITY APPLN. INFO.:
FR 1999-1469 A 19990204
WO 2000-EP1101 W 20000201
US 2001-890653 A3 20011102

OTHER SOURCE(S): CASREACT 133:164052; MARPAT 133:164052
GI



I



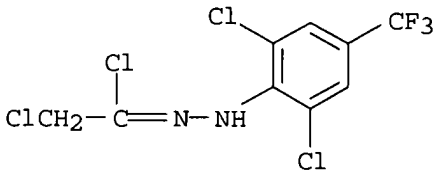
II

AB The title compds. [I; W = N, CR4; R1 = halo, haloalkyl, haloalkoxy, etc.; R2 = H, halo; R3 = H, R6SOm; R4 = halo; R6 = alkyl, haloalkyl; m = 0-2] were prepared by reacting the compound II [R7 = a leaving group; R8 = Cl, Br] with a cyanide salt.

IT **288066-46-6P**
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(new process for preparing 5-amino-1-aryl-3-cyanopyrazoles as pesticidal intermediates)

RN 288066-46-6 CAPLUS

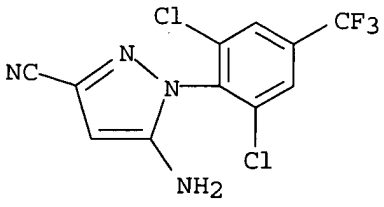
CN Ethanehydrazonoyl chloride, 2-chloro-N-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



IT **120068-79-3P**
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(new process for preparing 5-amino-1-aryl-3-cyanopyrazoles as pesticidal intermediates)

RN 120068-79-3 CAPLUS

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



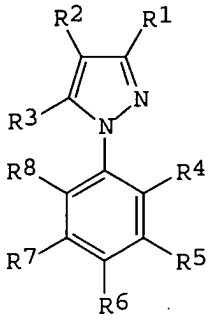
L7 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1994:298625 CAPLUS
DOCUMENT NUMBER: 120:298625
TITLE: Preparation of phenylpyrazoles as arthropodicides, nematocides, protozoacides, and anthelmintics
INVENTOR(S): Hatton, Leslie R.; Buntain, Ian G.; Hawkins, David W.; Parnell, Edgar W.; Pearson, Christopher J.
PATENT ASSIGNEE(S): UK
SOURCE: U.S., 76 pp. Cont.-in-part of U.S. Ser. No. 445,153, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5232940	A	19930803	US 1990-520290	19900507
IL 86493	A1	19921115	IL 1988-86493	19880525
IL 105138	A1	19940826	IL 1988-105138	19880525
HU 210668	B	19950628	HU 1991-1577	19880610
US 5547974	A	19960820	US 1993-57669	19930505
FI 9501839	A	19950418	FI 1995-1839	19950418
US 5608077	A	19970304	US 1995-454412	19950530
US 5714191	A	19980203	US 1995-453087	19950530
US 5916618	A	19990629	US 1997-947056	19971007
US 6372774	B1	20020416	US 1999-354903	19990716
DK 200201527	A5	20021010	DK 2002-1527	20021010

PRIORITY APPLN. INFO.:

GB 1985-31485	A	19851220
US 1986-943132	B1	19861218
GB 1987-13768	A	19870612
GB 1987-13769	A	19870612
US 1988-205238	B1	19880610
US 1988-205299	B1	19880610
US 1989-380333	B1	19890717
US 1989-413134	B1	19890927
US 1989-445153	B2	19891205
IL 1986-81025	A	19861218
IL 1988-86492	A	19880525
DK 1988-3140	L	19880609
FI 1988-2735	A	19880609
HU 1988-3009	A	19880610
US 1990-520290	A3	19900507
US 1993-57669	A3	19930505
US 1995-453087	A1	19950530
US 1996-652921	B1	19960524
US 1997-855876	B3	19970512
US 1998-137313	B3	19980821

OTHER SOURCE(S): MARPAT 120:298625
GI



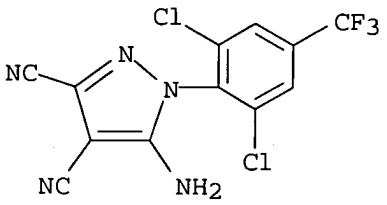
I

AB Title compds. [I; R1 = cyano, nitro, halo, acetyl, formyl, (halo)alkyl, etc.; R2 = R'SO2, R'SO, R'S, halo, cyano, nitro, cycloalkyl, alkenyl, thiocyanato, sulfamoyl, carbamoyl, alkoxycarbonyl, alkanoyl, (halo)alkyl; R' = (substituted) alkyl, alkenyl, alkynyl; R3 = H, (substituted) amino, alkoxycarbonyl, alkoxymethyleneamino, halo, cycloalkyl, cycloalkylcarbonyl, alkylsulfenylamino, trialkylsilylmethyl, etc.; R4-R8 = H, halo, nitro, cyano, (halo-substituted) alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl], were prepared Thus, fuming nitric acid was added dropwise to 5-acetamido-3-bromo-1-(2,6-dichloro-4-triflluoromethylphenyl)pyrazole and acetic anhydride in acetic acid; the mixture was stirred at 60° for 5 h to give 5-acetamido-3-bromo-1-(2,6-dichloro-4-triflluoromethylphenyl)-4-nitropyrazole. Several I were effective against Plutella xylostella larvae, all stages of Megoura viciae, and Spodoptera littoralis larvae.

IT **111234-69-6P 111245-94-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, as arthropodicide, nematocide, and anthelmintic)

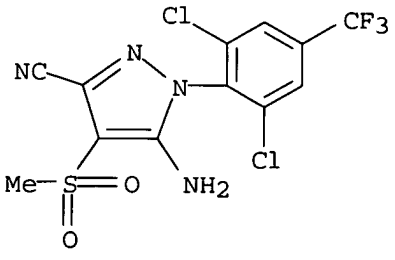
RN 111234-69-6 CAPLUS

CN 1H-Pyrazole-3,4-dicarbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



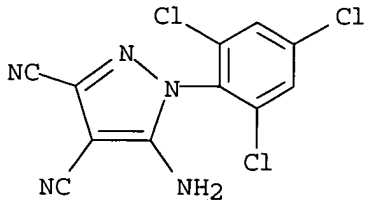
RN 111245-94-4 CAPLUS

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-(methylsulfonyl)- (9CI) (CA INDEX NAME)

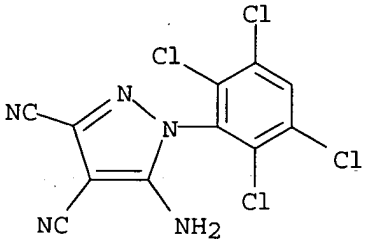


IT **111246-58-3P 111246-59-4P 111246-72-1P**
111246-73-2P 111246-99-2P 111247-00-8P
111247-01-9P 111275-41-3P 111275-42-4P
120067-83-6P 120067-84-7P 120067-85-8P
120067-86-9P 120067-87-0P 120067-88-1P
120067-89-2P 120067-90-5P 120067-91-6P
120067-92-7P 120067-96-1P 120068-36-2P
120068-37-3P 120068-38-4P 120068-39-5P
120068-41-9P 120068-42-0P 120068-44-2P
120068-52-2P 120068-55-5P 120068-56-6P
120068-57-7P 120068-58-8P 120068-59-9P
120068-61-3P 120068-62-4P 120068-63-5P
120068-65-7P 120068-66-8P 120068-68-0P
120068-76-0P 120084-88-0P 120115-83-5P
120507-96-2P 154807-27-9P 154807-28-0P
154807-29-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as arthropodicide, nematocide, and anthelmintic)

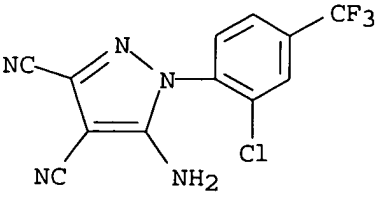
RN 111246-58-3 CAPLUS
CN 1H-Pyrazole-3,4-dicarbonitrile, 5-amino-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



RN 111246-59-4 CAPLUS
CN 1H-Pyrazole-3,4-dicarbonitrile, 5-amino-1-(2,3,5,6-tetrachlorophenyl)- (9CI) (CA INDEX NAME)



RN 111246-72-1 CAPLUS
CN 1H-Pyrazole-3,4-dicarbonitrile, 5-amino-1-[2-chloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

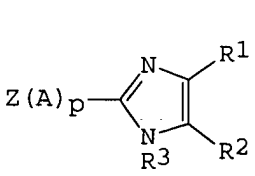


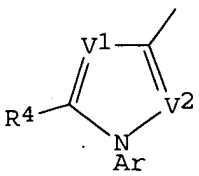
RN 111246-73-2 CAPLUS

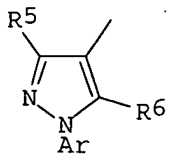
L7 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1993:101951 CAPLUS
DOCUMENT NUMBER: 118:101951
TITLE: Imidazole pesticides
INVENTOR(S): Willis, Robert John; O'Mahony, Mary Josephine; Roberts, Bryan Glyn; Marlow, Ian David; Boddy, Ian Kenneth
PATENT ASSIGNEE(S): Schering Agrochemicals Ltd., UK
SOURCE: PCT Int. Appl., 82 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

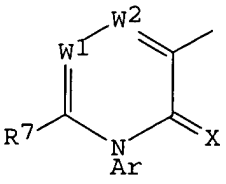
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9213451	A1	19920820	WO 1992-GB233	19920210
W: AU, BG, BR, CA, CS, FI, HU, JP, KR, PL, RO, RU, SD, US				
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, MC, ML, MR, NL, SE, SN, TD, TG				
AU 9211912	A1	19920907	AU 1992-11912	19920210
PRIORITY APPLN. INFO.:			GB 1991-2834 A	19910211
			GB 1991-2835 A	19910211
			GB 1991-2838 A	19910211
			GB 1991-2841 A	19910211
			GB 1991-2847 A	19910211
			GB 1991-2848 A	19910211
			GB 1991-2857 A	19910211
			GB 1991-14712 A	19910708
			GB 1991-17822 A	19910817
			WO 1992-GB233 A	19920210

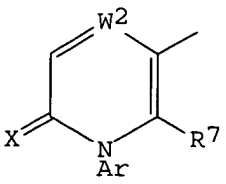
OTHER SOURCE(S): MARPAT 118:101951
GI

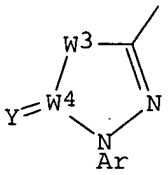

I


Z1


Z2


Z3

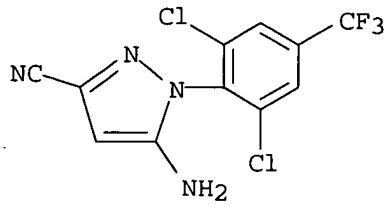

Z4


Z5

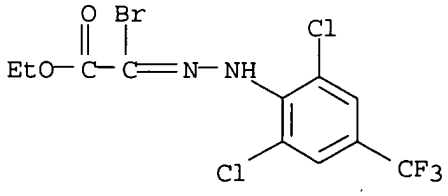
AB Imidazoles I [Z = N-containing heterocycle Z1-Z5; Ar = aryl; V1 = N, CR9; V2 = N, CR10; W1 = N, CR8; W2 = N, CR11; W1 and W2 are not both N; W3 = O, S, NR40, CR41:CR42; X = O, S; Y = O, S, NR12; W4 = C, S (when Y = O); A = S(O)m, O, NR13; R1, R2 = H, alkyl, -CN, halo, NO2; R3 = H, alkyl, acyl, alkoxycarbonyl, sulfamoyl; R5 = H, halo, alkyl, alkoxy, NR16R17, -CN, NO2, SO2NR16R17, CYNR16R17, CO2R18, R19S(O)m; R4, R10 = H, halo, OH, SH, -CN, NO2, alkyl, alkoxy, NR16R17, SO2NR16R17, CHO, CH2OH, CO2R18, R19S(O)m; R6 = alkyl, OH, alkoxy, -CN, NO2, R19S(O)m, 5-membered heteroaryl; R7, R8,

R11 = H, halo, alkyl, alkylthio; R9 = H, halo, alkyl, formyl, alkoxy, aryl, cyano, NO2, OH, trialkylsiloxy, CYNR16R17, CO2R18, R19S(O)m; R12, R13 = H, alkyl, acyl; R16, R17 = H, alkyl, acyl, aryl; NR16R17 = N-containing ring; R18 = H, alkyl; R19 = alkyl; R40 = H, alkyl, acyl; R41, R42 = H, alkyl; m = 0, 1, 2; p = 0 or 1 when Z = Z1 or Z2 and is 0 when Z = Z3-Z5] were prepared Thus 0.53 g 3-[(2-amino-1,2-dicyanoethenylimino)methyl]-1-(2,6-dichloro-4-trifluoromethylphenyl)-2,5-dimethylpyrrole was cyclized in the presence of 2,3-dichloro-5,6-dicyano-1,4-benzoquinone (0.28 g) in dioxane under reflux for 6 h to give 1-(2,6-dichloro-4-trifluoromethylphenyl)-3-(4,5-dicyano-1H-imidazol-2-yl)-2,5-dimethylpyrrole. Many examples of I were active insecticides, acaricides, and endoparasiticides in tests (sheep blow fly, blue tick, house fly, cockroach, Trichostrongylus colubriformis).

IT **120068-79-3**
RL: RCT (Reactant); RACT (Reactant or reagent)
(chlorination of)
RN 120068-79-3 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



IT **144890-92-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and amination of)
RN 144890-92-6 CAPLUS
CN Acetic acid, bromo[[2,6-dichloro-4-(trifluoromethyl)phenyl]hydrazono]-, ethyl ester (9CI) (CA INDEX NAME)



L7 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1990:35845 CAPLUS
DOCUMENT NUMBER: 112:35845
TITLE: N-phenylpyrazole derivatives as pesticides for plants, animals, and man, and their preparation, compositions, and use
INVENTOR(S): Buntain, Ian George; Hatton, Leslie Roy; Hawkins, David William; Pearson, Christopher John; Roberts, David Alan
PATENT ASSIGNEE(S): May and Baker Ltd., UK
SOURCE: Eur. Pat. Appl., 40 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English

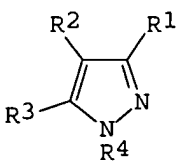
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 295117	A1	19881214	EP 1988-305306	19880610
EP 295117	B1	20000405		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
IL 86492	A1	19930708	IL 1988-86492	19880525
IL 105138	A1	19940826	IL 1988-105138	19880525
DK 8803140	A	19881213	DK 1988-3140	19880609
DK 175070	B1	20040524		
FI 8802735	A	19881213	FI 1988-2735	19880609
NO 8802551	A	19881213	NO 1988-2551	19880609
NO 175367	B	19940627		
NO 175367	C	19941005		
AU 8817554	A1	19881215	AU 1988-17554	19880609
AU 618266	B2	19911219		
RO 100612	B1	19920707	RO 1988-133912	19880609
RO 106496	B1	19930531	RO 1988-144353	19880609
JP 63316771	A2	19881226	JP 1988-143451	19880610
ZA 8804179	A	19890222	ZA 1988-4179	19880610
HU 48875	A2	19890728	HU 1988-3009	19880610
HU 203729	B	19910930		
PL 153478	B1	19910430	PL 1988-272998	19880610
CA 1330089	A1	19940607	CA 1988-569272	19880610
HU 210668	B	19950628	HU 1991-1577	19880610
SK 278972	B6	19980506	SK 1988-4052	19880610
CZ 285151	B6	19990512	CZ 1988-4052	19880610
EP 967206	A1	19991229	EP 1999-113797	19880610
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
AT 191479	E	20000415	AT 1988-305306	19880610
ES 2144390	T3	20000616	ES 1988-305306	19880610
CN 88103601	A	19881228	CN 1988-103601	19880611
CN 1027341	B	19950111		
KR 9701475	B1	19970206	KR 1988-7045	19880611
BR 8803258	A	19890131	BR 1988-3258	19880613
DD 281744	A5	19900822	DD 1988-316723	19880613
DD 281744	B5	19970220		
RU 2051909	C1	19960110	RU 1991-4894762	19910315
FI 9501839	A	19950418	FI 1995-1839	19950418
HK 1005289	A1	20010209	HK 1998-102258	19980318
GR 3033663	T3	20001031	GR 2000-401350	20000614
DK 200201527	A5	20021010	DK 2002-1527	20021010

PRIORITY APPLN. INFO.:

GB 1987-13768	A	19870612
IL 1988-86492	A	19880525
DK 1988-3140	L	19880609
FI 1988-2735	A	19880609
EP 1988-305306	A3	19880610
HU 1988-3009	A	19880610

OTHER SOURCE(S): MARPAT 112:35845
GI



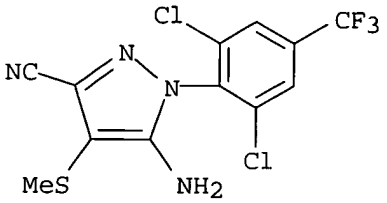
I

AB The title compds. [I; R1 = cyano, NO2, halo, Ac, CHO; R2 = R5S(O)n where n = 0, 1, or 2; R5 = (≤1 halo-substituted) straight- or branched-chain ≥4 alkyl, alkenyl, or alkynyl; R3 = H, NR6R7, halo, straight- or branched-chain C2-5 alkoxymethyleneamino (un)substituted on methylene by a straight- or branched-chain C1-4 alkyl; R6, R7 = H, straight- or branched-chain ≤5 alkyl, alkenylalkyl, or alkynylalkyl, CHO, (≤1 halo-substituted) straight- or branched-chain C2-5 alkanoyl or alkoxycarbonyl, or NR6R7 = 5- or 6-membered cyclic imido; R4 = 2- or 6-halo- or 4-straight- or branched-chain (Cl- or Br-substituted) alkyl- or alkoxy-substituted phenyl; with the exclusion of the compound wherein R1 = cyano, R2 = MeSO2, R3 = NH2 and R4 = 2,6,4-Cl2(CF3)C6H2], useful for control of arthropod, plant nematode, helminth and protozoan pests (no data except insects), were prepared A stirred solution of 20 g 5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)pyrazole in CH2Cl2 was treated dropwise with a solution of 10.8 g CF3SCl in CH2Cl2 during 1 h. The resulting solution was stirred overnight at room temperature to give 24.2 g 5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-trifluoromethylthiopyrazole (II). I at <500 ppm caused at least 65% mortality against Plutella xylostella larvae. A water-soluble concentrate was formulated from II 7, Ethylan BCP 10% w/v and N-methylpyrrolidone 1004 by volume

IT **120068-55-5 120068-58-8 120068-66-8 120069-19-4**
RL: RCT (Reactant); RACT (Reactant or reagent)
(oxidation of)

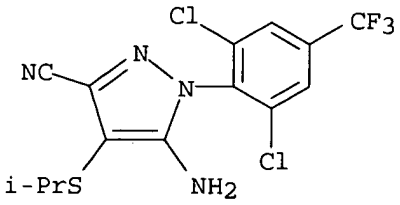
RN 120068-55-5 CAPLUS

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-(methylthio)- (9CI) (CA INDEX NAME)



RN 120068-58-8 CAPLUS

CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(1-methylethyl)thio]- (9CI) (CA INDEX NAME)



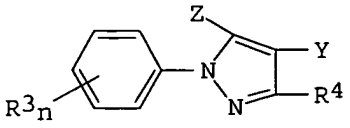
L7 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1987:613615 CAPLUS
DOCUMENT NUMBER: 107:213615
TITLE: Preparation of N-phenylpyrazoles as insecticides, nematocides, acaricides, and anthelmintics
INVENTOR(S): Hatton, Leslie Roy; Hawkins, David William; Parnell, Edgar William; Pearson, Christopher John; Roberts, David Alan
PATENT ASSIGNEE(S): May and Baker Ltd., UK
SOURCE: PCT Int. Appl., 191 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

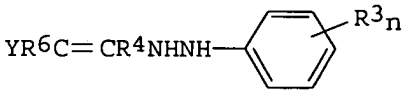
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8703781	A1	19870702	WO 1986-GB781	19861219
W: BR				
CA 1311242	A1	19921208	CA 1986-525574	19861217
DK 8606139	A	19870621	DK 1986-6139	19861218
DK 175129	B1	20040607		
FI 8605195	A	19870621	FI 1986-5195	19861218
FI 93445	B	19941230		
FI 93445	C	19950410		
AU 8666733	A1	19870625	AU 1986-66733	19861218
AU 587676	B2	19890824		
ZA 8609526	A	19880727	ZA 1986-9526	19861218
DD 265318	A5	19890301	DD 1986-297911	19861218
IL 81025	A1	19910310	IL 1986-81025	19861218
PL 158243	B1	19920831	PL 1986-263083	19861218
PL 160050	B1	19930226	PL 1986-273280	19861218
RU 2106783	C1	19980320	RU 1986-4028776	19861218
CN 86108643	A	19870729	CN 1986-108643	19861219
CN 1025811	B	19940907		
EP 234119	A1	19870902	EP 1986-309981	19861219
EP 234119	B1	19940824		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 62228065	A2	19871006	JP 1986-303598	19861219
JP 07062000	B4	19950705		
HU 45022	A2	19880530	HU 1986-5365	19861219
HU 203083	B	19910528		
BR 8607230	A	19881206	BR 1986-7230	19861219
EP 579280	A1	19940119	EP 1993-115360	19861219
EP 579280	B1	19960228		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
ES 2058063	T3	19941101	ES 1986-309981	19861219
AT 134476	E	19960315	AT 1993-115360	19861219
ES 2084430	T3	19960501	ES 1993-115360	19861219
RU 2035452	C1	19950520	RU 1987-4203543	19871027
RU 2080789	C1	19970610	RU 1987-4203558	19871027
RU 2087470	C1	19970820	RU 1991-4894748	19910322

PRIORITY APPLN. INFO.: GB 1985-31485 A 19851220
WO 1986-GB781 A 19861219

GI



I



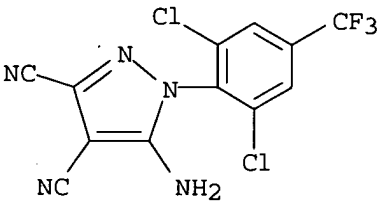
II

AB The phenylpyrazoles I (Y = halo, CN, NO2, RSO2, RSO, RS; R = C1-6 alkyl, haloalkyl, C3-5 cycloalkyl, C2-8 alkenyl, etc.; Z = Z = H, NR1R2, alkylsulfenylamino, alkoxymethyleneamino, etc.; R1, R2 = H, alkyl, alkoxycarbonylalkyl, cycloalkyl, formyl, alkanoyl, etc.; R3 = halo, alkyl, alkoxy, alkylthio, alkylsulfinyl, NO2, CN, etc.; R4 = halo, CN, NO2, alkyl, etc.; n = 1-5) and I salts are prepared as pesticides. 2-Chloro-1,1-dicyano-2-trifluoromethylethylene in Et2O was added to 2,6-dichloro-4-trifluoromethylphenylhydrazine (preparation given) in Et2O in the presence of K2CO3 to give 5-amino-4-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-3-trifluoromethylpyrazole (III). Exposure to turnip leaves treated with 500 ppm III was lethal to 2nd instar Plutella xylostella larvae. A dusting powder was made of 10% IV and 90% talc.

IT **111234-69-6**
RL: RCT (Reactant); RACT (Reactant or reagent)
(acylation of)

RN 111234-69-6 CAPLUS

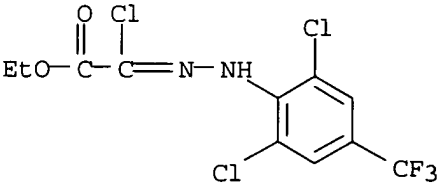
CN 1H-Pyrazole-3,4-dicarbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



IT **111234-59-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, with malononitrile)

RN 111234-59-4 CAPLUS

CN Acetic acid, chloro[[2,6-dichloro-4-(trifluoromethyl)phenyl]hydrazono]-, ethyl ester (9CI) (CA INDEX NAME)



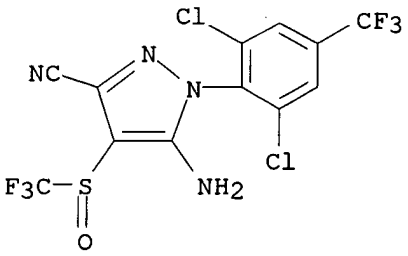
IT **111234-69-6P 111245-94-4P 111246-58-3P**
111246-59-4P 111246-72-1P 111246-73-2P
111246-99-2P 111247-00-8P 111247-01-9P
111275-41-3P 111275-42-4P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as pesticide)

L5 ANSWER 18 OF 277 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:5872 CAPLUS
DOCUMENT NUMBER: 134:127264
TITLE: Evaluation of **insecticide** and fungicide combinations for the control of onion maggot (Delia antiqua) and onion smut (Urocystis cepulae) in Ontario
AUTHOR(S): Hoepting, C. A.; Scott-Dupree, C. D.; Harris, C. R.; Ritcey, G.; McDonald, M. R.
CORPORATE SOURCE: Department of Environmental Biology, University of Guelph, Guelph, ON, N1G 2W1, Can.
SOURCE: BCPC Conference--Pests & Diseases (**2000**), (Vol. 1), 279-284
CODEN: BCDCAE
PUBLISHER: British Crop Protection Council
DOCUMENT TYPE: Journal
LANGUAGE: English

AB A study was conducted to determine the effectiveness of combinations of **insecticides** (chlorpyrifos, cyromazine, phosetbupirin+cyfluthrin and fipronil) and fungicides (carbathiin+thiram, mancozeb, and carbathiin+thiram+mancozeb) for control of onion maggot (OM) (Delia antiqua) and onion smut (OS) (Urocystis cepulae) in onions grown in Ontario. Effective OM and OS control was achieved with **insecticide** treatments in combination with carbathiin+thiram+mancozeb. Cyromazine and fipronil seed treatments provided best OM control. Best OS control was achieved with carbathiin+thiram seed treatment+granular in-furrow applications of mancozeb and chlorpyrifos.

IT **120068-37-3**, Fipronil)
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(combination with fungicides; **insecticide** and fungicide combinations for the control of onion maggot and onion smut)

RN 120068-37-3 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]- (9CI) (CA INDEX NAME)



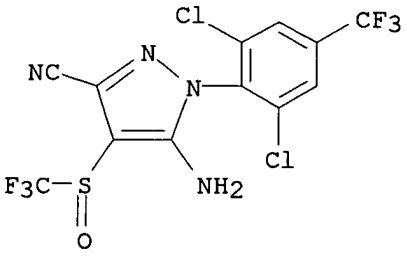
ANSWER 20 OF 277 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:1390 CAPLUS
DOCUMENT NUMBER: 134:127255
TITLE: Novel seed treatments to control soil pests of sugar beet
AUTHOR(S): Dewar, A. M.; Haylock, L. A.; Bean, K. M.; Ecclestone, P. M. J.
CORPORATE SOURCE: IACR-Broom's Barn, Suffolk, IP28 6NP, UK
SOURCE: BCPC Conference--Pests & Diseases (**2000**), (Vol. 3), 907-912
CODEN: BCDCAE
PUBLISHER: British Crop Protection Council
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Mixts. of tefluthrin (at 4 g a.i./unit) and imidacloprid (at either 15 g or 60 g a.i./unit) applied to pelleted seed of sugar beet gave consistently better control of springtails, millipedes, symphylids and wireworms in 20 field trials compared to either **insecticide** applied alone. Fipronil at 50 or 100 g a.i./unit was phytotoxic in several trials. Thiamethoxam (at 60 g a.i./unit) gave moderate control of the soil pests when applied alone, but, as with imidacloprid, performed better when mixed with tefluthrin. None of the seed treatments tested gave effective control of leatherjackets.

IT **120068-37-3**, Fipronil **181586-97-0**, Fipronil-imidacloprid mixture
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(seed treatments to control soil pests of sugar beet)

RN 120068-37-3 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]- (9CI) (CA INDEX NAME)



RN 181586-97-0 CAPLUS
CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]-, mixt. with 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine (9CI) (CA INDEX NAME)

CM 1

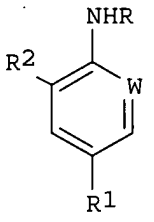
CRN 138261-41-3
CMF C9 H10 Cl N5 O2

```
=> E ANCEL JEAN ERICK/AU 25
E1            2     ANCEL J/AU
E2            3     ANCEL J E/AU
E3           21 --> ANCEL JEAN ERICK/AU
E4            1     ANCEL JEAN ERIK/AU
E5            2     ANCEL L/AU
E6            1     ANCEL LAUREN W/AU
E7            1     ANCEL LAUREN WEINSTOCK/AU
E8            1     ANCEL M/AU
E9            1     ANCEL MARIE HELENE/AU
E10          43     ANCEL P/AU
E11          10     ANCEL PAUL/AU
E12           1     ANCEL REGINE/AU
E13           1     ANCEL RENE/AU
E14           1     ANCEL SELWYN/AU
E15           5     ANCEL SELWYN J/AU
E16           5     ANCEL SUZANNE/AU
E17           1     ANCEL THOMAS A/AU
E18           1     ANCELET DARIA/AU
E19           1     ANCELET J/AU
E20           1     ANCELET ROGER C/AU
E21           2     ANCELIN/AU
E22           1     ANCELIN C/AU
E23          13     ANCELIN H/AU
E24           1     ANCELIN J/AU
E25           1     ANCELIN JEAN/AU

=> S (E2 OR E3 OR E4) AND (?PYRAZOL?)
             3 "ANCEL J E"/AU
            21 "ANCEL JEAN ERICK"/AU
             1 "ANCEL JEAN ERIK"/AU
         66794 ?PYRAZOL?
L1           5 ("ANCEL J E"/AU OR "ANCEL JEAN ERICK"/AU OR "ANCEL JEAN ERIK"/AU)
AND (?PYRAZOL?)

=> s l1 and pest?
         96423 PEST?
L2           3 L1 AND PEST?

=> d l2 1-3 ibib abs hitstr

L2   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER:         2000:725593  CAPLUS
DOCUMENT NUMBER:          133:281600
TITLE:                    Processes for preparing aniline- and
                          2-aminopyridine-derivative pesticide
                          intermediates by hydrogenolysis of the corresponding
                          hydrazine derivatives
INVENTOR(S):              Ancel, Jean-Erick; Perrin-Janet, Gilles;
                          Vangelisti, Manuel; Versproumy, Pierre
PATENT ASSIGNEE(S):       Aventis CropScience SA, Fr.
SOURCE:                   PCT Int. Appl., 16 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     ---------------      ----   --------    --------------------    --------
     WO 2000059862         A2    20001012    WO 2000-EP3103          20000330
     WO 2000059862         A3    20010222
```

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CA 2368758	AA	20001012	CA 2000-2368758	20000330
EP 1165485	A2	20020102	EP 2000-922613	20000330
EP 1165485	B1	20040512		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 2000009453	A	20020108	BR 2000-9453	20000330
JP 2002541131	T2	20021203	JP 2000-609375	20000330
AU 770029	B2	20040212	AU 2000-42941	20000330
AT 266618	E	20040515	AT 2000-922613	20000330
PT 1165485	T	20040831	PT 2000-922613	20000330
RU 2235718	C2	20040910	RU 2001-129283	20000330
ES 2215642	T3	20041016	ES 2000-922613	20000330
ZA 2001007829	A	20021223	ZA 2001-7829	20010921
BG 106002	A	20020628	BG 2001-106002	20011010
HR 2001000798	A1	20021231	HR 2001-798	20011029
US 6410737	B1	20020625	US 2002-937816	20020104
PRIORITY APPLN. INFO.:			GB 1999-7458 A	19990331
			WO 2000-EP3103 W	20000330

OTHER SOURCE(S): CASREACT 133:281600; MARPAT 133:281600
GI



I

AB The title compds. (I; R = H; R1 = haloalkyl, haloalkoxy, SF5; W = N, CR3; R2, R3 = H, Cl) or their acid-addition salts, useful as intermediates for the preparation of **pesticides**, are prepared in high yield and selectivity by the hydrogenolysis of the corresponding hydrazine derivs. I (R = NH2). Thus, 4-(trifluoromethyl)phenylhydrazine was dissolved in MeOH and heated with Raney nickel at reflux for 1 h, producing 4-(trifluoromethyl)aniline in 100% yield.

L2 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

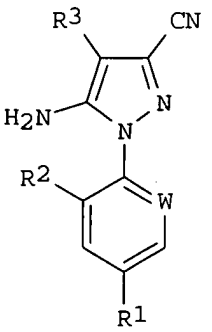
ACCESSION NUMBER:	2000:553565 CAPLUS
DOCUMENT NUMBER:	133:164052
TITLE:	New process for preparing 5-amino-1-aryl-3-**cyanopyrazoles** as **pesticidal** intermediates
INVENTOR(S):	**Ancel, Jean-Erick**
PATENT ASSIGNEE(S):	Aventis CropScience SA, Fr.
SOURCE:	PCT Int. Appl., 16 pp. CODEN: PIXXD2
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	1

PATENT INFORMATION:

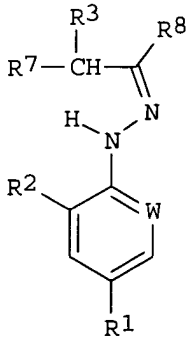
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000046210	A2	20000810	WO 2000-EP1101	20000201
WO 2000046210	A3	20001214		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2789387	A1	20000811	FR 1999-1469	19990204
FR 2789387	B1	20010914		
CA 2362217	AA	20000810	CA 2000-2362217	20000201
EP 1149082	A2	20011031	EP 2000-914081	20000201
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 2000007982	A	20011218	BR 2000-7982	20000201
JP 2002536367	T2	20021029	JP 2000-597280	20000201
AU 767603	B2	20031120	AU 2000-35524	20000201
RU 2236403	C2	20040920	RU 2001-124400	20000201
BG 105766	A	20020329	BG 2001-105766	20010801
ZA 2001006369	A	20021126	ZA 2001-6369	20010802
HR 2001000642	A1	20020831	HR 2001-642	20010831
US 6620944	B1	20030916	US 2001-890653	20011102
US 2004030140	A1	20040212	US 2003-621344	20030718
PRIORITY APPLN. INFO.:			FR 1999-1469 A	19990204
			WO 2000-EP1101 W	20000201
			US 2001-890653 A3	20011102

OTHER SOURCE(S): CASREACT 133:164052; MARPAT 133:164052

GI



I



II

AB The title compds. [I; W = N, CR4; R1 = halo, haloalkyl, haloalkoxy, etc.; R2 = H, halo; R3 = H, R6SOm; R4 = halo; R6 = alkyl, haloalkyl; m = 0-2] were prepared by reacting the compound II [R7 = a leaving group; R8 = Cl, Br] with a cyanide salt.

L2 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1998:612076 CAPLUS

DOCUMENT NUMBER: 129:245146

TITLE: Processes for preparing **pyrazoles** as

pesticidal intermediates

INVENTOR(S): D'silva, Themistocles; **Ancel, Jean-erick**
PATENT ASSIGNEE(S): Rhone-Poulenc Agro, Fr.
SOURCE: PCT Int. Appl., 26 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9839302	A1	19980911	WO 1998-EP1057	19980225
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, GW, HU, ID, IL, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
GB 2324086	A1	19981014	GB 1997-5316	19970314
CA 2281892	AA	19980911	CA 1998-2281892	19980225
AU 9868232	A1	19980922	AU 1998-68232	19980225
AU 744505	B2	20020228		
EP 966445	A1	19991229	EP 1998-913586	19980225
EP 966445	B1	20010725		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, FI				
BR 9807988	A	20000308	BR 1998-7988	19980225
TR 9902141	T2	20000421	TR 1999-9902141	19980225
NZ 337840	A	20010629	NZ 1998-337840	19980225
AT 203521	E	20010815	AT 1998-913586	19980225
ES 2158676	T3	20010901	ES 1998-913586	19980225
JP 2001513792	T2	20010904	JP 1998-538116	19980225
JP 3507509	B2	20040315		
PT 966445	T	20011130	PT 1998-913586	19980225
CN 1103759	B	20030326	CN 1998-802977	19980225
SK 283403	B6	20030701	SK 1999-1191	19980225
ZA 9801611	A	19990825	ZA 1998-1611	19980226
EP 952144	A1	19991027	EP 1998-420069	19980420
EP 952144	B1	20030618		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
EP 952145	A1	19991027	EP 1998-420070	19980420
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CA 2328832	AA	19991028	CA 1999-2328832	19990414
WO 9954288	A1	19991028	WO 1999-EP2834	19990414
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9940339	A1	19991108	AU 1999-40339	19990414
AU 756218	B2	20030109		
BR 9909756	A	20001219	BR 1999-9756	19990414
EP 1073627	A1	20010207	EP 1999-923471	19990414
EP 1073627	B1	20041201		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				

JP 2002512218	T2	20020423	JP 2000-544629		19990414
TW 519534	B	20030201	TW 1999-88105957		19990414
RU 2223950	C2	20040220	RU 2000-129143		19990414
AT 283839	E	20041215	AT 1999-923471		19990414
EG 22148	A	20020930	EG 1999-419		19990420
MX 9908043	A	20000228	MX 1999-8043		19990831
US 6084105	A	20000704	US 1999-388524		19990902
BG 103751	A	20010531	BG 1999-103751		19990921
BG 64277	B1	20040831			
US 6258973	B1	20010710	US 2000-572948		20000517
HK 1027102	A1	20030829	HK 2000-106287		20001004
ZA 2000005745	A	20010510	ZA 2000-5745		20001017
US 6392081	B1	20020521	US 2000-673801		20001222
GR 3036282	T3	20011031	GR 2001-400314		20010726
US 2002128485	A1	20020912	US 2002-120479		20020412
US 6673956	B2	20040106			
CN 1421439	A	20030604	CN 2002-152640		20021126
US 2004198985	A1	20041007	US 2003-703417		20031110
PRIORITY APPLN. INFO.:			US 1997-39516P	P	19970303
			GB 1997-5316	A	19970314
			WO 1998-EP1057	W	19980225
			EP 1998-420069	A	19980420
			EP 1998-420070	A	19980420
			WO 1999-EP2834	W	19990414
			US 1999-388524	A3	19990902
			US 2000-673801	A3	20001222
			US 2002-120479	A3	20020412

OTHER SOURCE(S): CASREACT 129:245146; MARPAT 129:245146
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. [I; W = N, CR4; R2, R4, R5, R6 = H, halo, C1-6 alkyl, etc.; R3 = H, halo, C1-6 alkyl, etc.], useful as intermediates in the synthesis of **pesticidally** active compds, were prepared by cyclization of hydrazonosuccinonitrile II in the presence of a base. Succinonitrile II was obtained by reaction of NCCH2CH(CN)CHO or its enolic form with a diazonium salt III or by oxidation of the hydrazinosuccinonitrile IV.

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT